

# **Outfall Repairs -- No. 509948**

Category  
Agency  
Planning Area  
Relocation Impact

**Conservation of Natural Resources**  
**Public Works & Transportation**  
**Countywide**  
**None**

Date Last Modified  
Previous PDF Page Number  
Required Adequate Public Facility

**January 5, 2004**  
**15-15(03 App)**  
**NO**

## **EXPENDITURE SCHEDULE (\$000)**

Cost Element	Total	Thru FY03	Est. FY04	Total 6 Years	FY05	FY06	FY07	FY08	FY09	FY10	Beyond 6 Years
Planning, Design and Supervision	1,762	180	242	1,340	170	234	234	234	234	234	0
Land	12	9	3	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	1,879	299	465	1,115	155	192	192	192	192	192	0
Other											
<b>Total</b>	<b>3,653</b>	<b>488</b>	<b>710</b>	<b>2,455</b>	<b>325</b>	<b>426</b>	<b>426</b>	<b>426</b>	<b>426</b>	<b>426</b>	<b>*</b>

## **FUNDING SCHEDULE (\$000)**

G.O. Bonds	3,653	488	710	2,455	325	426	426	426	426	426	0
Current Revenue: General	0	0	0	0	0	0	0	0	0	0	0

## **ANNUAL OPERATING BUDGET IMPACT (\$000)**

### **DESCRIPTION**

This project provides for the repair of existing storm drain outfalls into stream valleys. Design of corrective measures is included when in-kind replacement of original outfall structures is not feasible. Candidate outfall repairs are selected from citizen and public agency requests. The Department of Environmental Protection's (DEP) Miscellaneous Stream Valley Improvements project generates and assists in rating the outfalls, which are identified as that project expands into additional watersheds.

### **Service Area**

Countywide

### **Capacity**

The capacity of each repair will match the existing capacity of the storm drain pipe or system.

### **JUSTIFICATION**

Collapsed storm drain pipe sections, undermined endwalls, and eroded outfall channels create hazardous conditions throughout the County. The course of drainage could be altered endangering private property or public roads and speeding the erosion of stream channels. Erosion from damaged outfalls results in heavy sediment load being carried downstream that can severely impact aquatic ecosystems and exacerbate existing downstream channel erosion. Damaged outfalls can adversely impact private property and public roads and are a threat to children who are attracted to playing in stream valleys.

### **Plans and Studies**

As part of its watershed restoration inventories, DEP identifies storm drain outfalls that are in need of repair in County stream valleys and respective watersheds.

As this program expands to include additional watersheds, each outfall is categorized and, where damaged, rated. A functional rating and evaluation process is used to prioritize and determine the magnitude of each outfall.

### **Specific Data**

The Departments of Public Works and Transportation (DPWT) and Environmental Protection (DEP) jointly develop a priority list of outfalls needing repairs. DPWT is responsible for design and coordinating contracts for construction of the repairs. A new aspect to this program is for DPWT to provide construction funds for repair of outfalls in stream valleys when DEP is constructing stream valley repairs.

### **Cost Change**

Cost increase is due to the addition of FY09 and FY10 to this on-going program, offset in part by lower expenditures in FY05.

### **STATUS**

Final design stage: Twinbrook, Lombardy, Sherwood Forest, Shannon Court, Dewey at Mahon, Cardiff Court. Cabin John watershed has 17 outfalls under investigation in FY04.

### **OTHER**

The following projects are participation projects with DEP: eight outfalls in Turkey Branch Watershed, Locustwood Court (Paint Branch), and four outfalls in Coquelin Run. The number of outfall locations being repaired per year varies based on the severity of the erosion and damage, the complexity of the design, and the complexity of the needed restorative construction work.

\* Expenditures will continue indefinitely.

### **FISCAL NOTE**

Expenditures in the out years may be reduced if the backlog of repairs is substantially reduced.

### **APPROPRIATION AND EXPENDITURE DATA**

Date First Appropriation	FY99	(\$000)
Initial Cost Estimate		1,400
First Cost Estimate		
Current Scope	FY05	2,922
Last FY's Cost Estimate		2,922
Present Cost Estimate		3,653

Appropriation Request	FY05	325
Appropriation Request Est.	FY06	426
Supplemental		
Appropriation Request	FY04	0
Transfer		0

Cumulative Appropriation	1,198
Expenditures/ Encumbrances	541
Unencumbered Balance	657

Partial Closeout Thru	FY02	0
New Partial Closeout	FY03	0
Total Partial Closeout		0

### **COORDINATION**

Department of Environmental Protection  
M-NCPPC  
Maryland Department of the Environment  
United States Army Corps of Engineers  
Department of Permitting Services  
Utility Companies  
Miscellaneous Stream Valley Improvements

### **MAP**

